

P115M 动力套装技术参数

P115M Integrated thrust system specification

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产品型号 Model	P115M	最大拉力 Max Thrust	236 kg
最大单轴起飞重量 Max single-axis takeoff weight	115 kg	最大单轴起飞重量点力效 Efficiency of max single-axis takeoff weight	6.09 g/W
电压范围 Input voltage	500~850 V	额定电压 Rated voltage	720 V
适用机臂直径 Tube outer diameter	Φ80 mm (适配2~5 mm壁厚, 推荐3 mm、5 mm) Φ80 mm (Suitable for wall thickness of 2~5 mm, recommend 3 mm and 5 mm)		
动力套重量 (含线) Weight (with cable)	18.7 kg±100 g	线材规格 Cable specification	电源线: 12AWG*2000 mm 信号线: 2200 mm Power cable: 12AWG*2000 mm Signal cable:2200 mm
适用环境温度 Operating temperature	-35~55 °C	防尘防水等级 Ingress protection	IPX5
线序定义 Pinout	蓝-CAN GND、红-CANH、棕-CANL、黑-Shielded、绿-PWM、灰-PWM GND、橙-DCIN 24V+、黄-DCIN GND Blue-CAN GND, Red-CANH, Brown-CANL, Black-Shielded, Green-PWM, Gray-PWM GND, Orange-DCIN 24V+, Yellow-DCIN GND		
额定输出功率 (最大持续功率) Rated output power (Max continuous)	18.3 kW		

电调技术参数 ESC specification

额定电压 Rated voltage	720 V	通讯方式 Communication protocol	CAN (可定制RS485) CAN (customizable RS485)
电调尺寸 ESC size	211 mm*104 mm*67 mm (不含插头) 211 mm*104 mm*67 mm (Without plug)	重量 (含线) Weight (with cable)	1880±50 g
最大电流 (10s) Peak current (10 seconds)	45 A	持续电流 Continuous current	15 A
防尘防水等级 Ingress Protection	IP67	双油门 Double throttle signal	CAN+RS485 / CAN+PWM / RS485+PWM
PWM脉宽 Operating pulse width	1100~1940 μs	黑匣子 Black box	2~48h 实时数据 2~48h log
油门行程校准 Throttle Range Calibration	固化不需校准, 软件可修改范围 Solidified and cannot be calibrated(Can be changed via Datalink software)		

电机技术参数 Motor specification

KV值 KV	5 KV	槽极数 Slot& Pole	36槽42极 36N42P
电机尺寸 Motor size	Φ167.1±0.1 mm (含风扇209.9±0.1 mm) Φ167.1±0.1 mm (With fan 209.9±1 mm)	电机重量(含线) Weight (with cable)	6090 g
防尘防水等级 Ingress Protection	IPX5		

桨叶参数 Propeller specification

产品型号 Model	MSC 73x21-P	单支重量 Weight	1254 g
主要材质 Material of Props	碳纤维复合材料 Carbon fibre composite material	安装尺寸 Mounting dimensions	D60-6*M6, 中心孔 D20 D60-6*M6, centre hole D20